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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/813871-Conf. #5569
	Filing Date	March 31, 2004
	First Named Inventor	Adam J. Ferrari
	Art Unit	2161
	Examiner Name	S. Metjahic
Total Number of Pages in This Submission	Attorney Docket Number	0109878.00141US1

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Signature			
Printed name	Ann-Louise Kerner, Ph.D.		
Date	March 16, 2006	Reg. No.	33,523



Docket No.: 0109878.00141US1  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Adam J. Ferrari et al.

Application No.: 10/813871

Confirmation No.: 5569

Filed: March 31, 2004

Art Unit: 2161

For: INTEGRATED APPLICATION FOR  
MANIPULATING CONTENT IN A  
HIERARCHICAL DATA-DRIVEN SEARCH  
AND NAVIGATION SYSTEM

Examiner: S. Metjahic

Commissioner for Patents  
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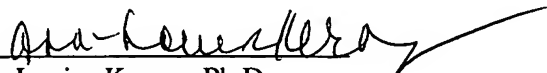
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Dated: March 16, 2006

Respectfully submitted,

By   
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PTO/SB/08a/b (07-05)

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		Application Number	10/813871-Conf. #5569		
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		Examiner Name	S. Metjahic		
Sheet	1	of	3	Attorney Docket Number	0109878.00141US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-4,775,935	10-04-1988	Yourick	
	AB*	US-4,868,733	09-19-1989	Fujisawa et al.	
	AC*	US-5,241,671	08-31-1993	Reed et al.	
	AD*	US-5,418,717	05-23-1995	Su et al.	
	AE*	US-5,418,951	05-23-1995	Damashek	
	AF*	US-5,440,742	08-08-1995	Schwanke	
	AG*	US-5,485,621	01-16-1996	Schwanke	
	AH*	US-5,544,049	08-06-1996	Henderson et al.	
	AI*	US-5,546,576	08-13-1996	Cochrane et al.	
	AJ*	US-5,548,506	08-20-1996	Srinivasan	
	AK*	US-5,590,269	12-31-1996	Kruse et al.	
	AL*	US-5,600,829	02-04-1997	Tsatalos et al.	
	AM*	US-5,630,125	05-13-1997	Zellweger	
	AN*	US-5,634,128	05-27-1997	Messina	
	AO*	US-5,675,784	10-07-1997	Maxwell et al.	
	AP*	US-5,696,916	12-09-1997	Yamazaki et al.	
	AQ*	US-5,724,571	03-03-1998	Woods	
	AR*	US-5,740,425	04-14-1998	Povilus	
	AS*	US-5,749,081	05-05-1998	Whiteis	
	AT*	US-5,764,975	06-09-1998	Taniguchi et al.	
	AU*	US-5,812,998	09-22-1998	Tsutsumi et al.	
	AV*	US-5,835,905	11-10-1998	Pirolli et al.	
	AW*	US-5,852,822	12-22-1998	Srinivasan et al.	
	AX*	US-5,864,845	01-26-1999	Voorhees et al.	
	AY*	US-5,864,846	01-26-1999	Voorhees et al.	
	AZ*	US-5,864,863	01-26-1999	Burrows	
	AA1*	US-5,870,746	02-09-1999	Knutson et al.	
	AB1*	US-5,873,075	02-16-1999	Cochrane et al.	
	AC1*	US-5,875,440	02-23-1999	Cooperman et al.	
	AD1*	US-5,875,446	02-23-1999	Brown et al.	
	AE1*	US-5,878,423	03-02-1999	Anderson et al.	
	AF1*	US-5,893,104	04-06-1999	Srinivasan et al.	
	AG1*	US-5,895,470	04-20-1999	Pirolli et al.	
	AH1*	US-5,897,639	04-27-1999	Greef et al.	
	AI1*	US-5,920,859	07-06-1999	Li	
	AJ1*	US-5,926,811	07-20-1999	Miller et al.	
	AK1*	US-5,940,821	08-17-1999	Wical	
	AL1*	US-5,943,670	08-24-1999	Prager	
	AM1*	US-5,950,189	09-07-1999	Cohen et al.	
	AN1*	US-5,970,489	10-19-1999	Jacobson et al.	
	AO1*	US-5,978,788	11-02-1999	Castelli et al.	
	AP1*	US-5,978,794	11-02-1999	Agrawal et al.	
	AQ1*	US-5,978,799	11-02-1999	Hirsch	
	AR1*	US-5,983,223	11-09-1999	Perlman	
	AS1*	US-5,986,655	11-16-1999	Chiu et al.	

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US1DOCS 5566779v1

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				Examiner Name	S. Metjahic
Sheet	2	of	3	Attorney Docket Number	0109878.00141US1

	AT1*	US-5,987,468	11-16-1999	Singh et al.	
	AU1*	US-5,987,470	11-16-1999	Meyers et al.	
	AV1*	US-5,991,756	11-23-1999	Wu	
	AW1*	US-6,006,217	12-21-1999	Lumsden	
	AX1*	US-6,006,218	12-21-1999	Breese et al.	
	AY1*	US-6,006,222	12-21-1999	Culliss	
	AZ1*	US-6,006,225	12-21-1999	Bowman et al.	
	AA2*	US-6,009,424	12-28-1999	Lepage et al.	
	AB2*	US-6,012,006	01-04-2000	Ohneda et al.	
	AC2*	US-6,014,639	01-11-2000	Fohn et al.	
	AD2*	US-6,014,655	01-11-2000	Fujiwara et al.	
	AE2*	US-6,014,657	01-11-2000	Weida et al.	
	AF2*	US-6,014,665	01-11-2000	Culliss	
	AG2*	US-6,028,605	02-22-2000	Conrad et al.	
	AH2*	US-6,029,195	02-22-2000	Herz	
	AI2*	US-6,038,560	03-14-2000	Wical	
	AJ2*	US-6,038,574	03-14-2000	Pitkow et al.	
	AK2*	US-6,070,162	05-30-2000	Miyasaka et al.	
	AL2*	US-6,112,186	08-29-2000	Bergh et al.	
	AM2*	US-6,144,958	11-07-2000	Ortega et al.	
	AN2*	US-6,236,985	05-22-2001	Aggarwal et al.	
	AO2*	US-6,240,378	05-29-2001	Imanaka et al.	
	AP2*	US-6,240,409	05-29-2001	Aiken	
	AQ2*	US-6,243,713	06-05-2001	Nelson et al.	
	AR2*	US-6,263,334	07-17-2001	Fayyad et al.	
	AS2*	US-6,269,368	07-31-2001	Diamond	
	AT2*	US-6,272,507	08-07-2001	Pirollo et al.	
	AU2*	US-6,289,354	09-11-2001	Aggarwal et al.	
	AV2*	US-6,301,577	10-09-2001	Matsumoto et al.	
	AW2*	US-6,317,741	11-13-2001	Burrows	
	AX2*	US-6,339,767	01-15-2002	Rivette et al.	
	AY2*	US-6,385,602	05-07-2002	Tso et al.	
	AZ2*	US-6,397,221	05-28-2002	Greef et al.	
	AA3*	US-6,446,068	09-03-2002	Kortge	
	AB3*	US-6,519,618	02-11-2003	Snyder	
	AC3*	US-6,611,825	08-26-2003	Billheimer et al.	
	AD3*	US-6,633,868	10-14-2003	Min et al.	
	AE3*	US-6,647,391	11-11-2003	Smith et al.	
	AF3*	US-6,697,801	02-24-2004	Eldredge et al.	
	AG3*	US-6,763,349-B1	07-13-2004	Sacco	
	AH3*	US-6,763,351	07-13-2004	Subramaniam et al.	
	AI3*	US-6,845,354	01-18-2005	Kuo et al.	
	AJ3*	US-6,853,982	02-08-2005	Smith et al.	
	AK3	US-US-2002/0147703	10-10-2002	Yu, et al.	
	AL3	US-US-2002/0152204	10-17-2002	Ortega, et al.	

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Sheet	3	of	3	Attorney Docket Number	0109878.00141US1

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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NON PATENT LITERATURE DOCUMENTS			
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	CA	Amato, et al., "Region proximity in metric spaces and its use for approximate similarity search", ACM Trans. In. System, (2003), Vol. 21(2), pp. 192-227	
	CB	BERGSTROM, "A family of delphi components for case-based reasoning", Proceedings 11th IEEE International Conference on Chicago, (1999), pp. 153-160	
	CC	BEYER et al., "When is 'Nearest Neighbor' meaningful", Proceedings of the 7th International Conference on Database Theory", (1999)	
	CD	DIAMANTINI et al., "A conceptual indexing method for content-based retrieval", Database and Expert Systems Applications. Proceedings Tenth Workshop on Florence Italy, (1999), pp. 192-197	
	CE	GUHA et al., "ROCK: A robust clustering algorithm for categorical attributes", Data Engineering Proceedings 15th International Conference on Sidney, (1999), pp. 512-521	
	CF	GUTTMAN, "R-Trees: A dynamic index structure for spatial searching", Proceedings of the ACM SIG-MOD Conference, (1984)	
	CG	HAN-JOON, K. et al., "An effective document clustering method using user-adaptable distance metrics.", SAC, (2002), 16-20	
	CH	HINNEBURG et al., "What is the nearest neighbor in high dimensional spaces", Proceedings of the 26th VLDB Conference, (2000)	
	CI	HONGYAN JING, "Information retrieval based on context distance and morphology", Proceedings of the 22nd annual international ACM SIGIR conference on Research and Development in information retrieval, pp. 90-96, August 1999	
	CJ	MILLER et al., "DataWeb: Customizable Database Publishing for the Web" IEEE Multimedia, 4(4):14-21(1997)	
	CK	MILLER et al., "Integrating Hierarchical Navigation and Querying: A User Customizable Solution" ACM Multimedia Workshop on Effective Abstractions in Multimedia Layout, Presentation, and Interaction, San Francisco, CA, November (1995).	
	CL	PI-SHENG, "Using case-based reasoning for decision support", Proceedings of the 27th Annual Hawaii International Conference on System Sciences, (1994), pp. 552-561	
	CM	SALTON et al., "Term-weighting approaches in automatic test retrieval", Information Processing & Management, (1988), Vol. 24(5), pp. 513-523	
	CN	Yahoo 1996 (Exhibit 12-16)	

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